CROWELL & MORING, L.L.P. Serial No. Not Yet Assigned Attorney Docket No.381KA/50302 Takefumi SAWADA et al. Sheet 1 of 16

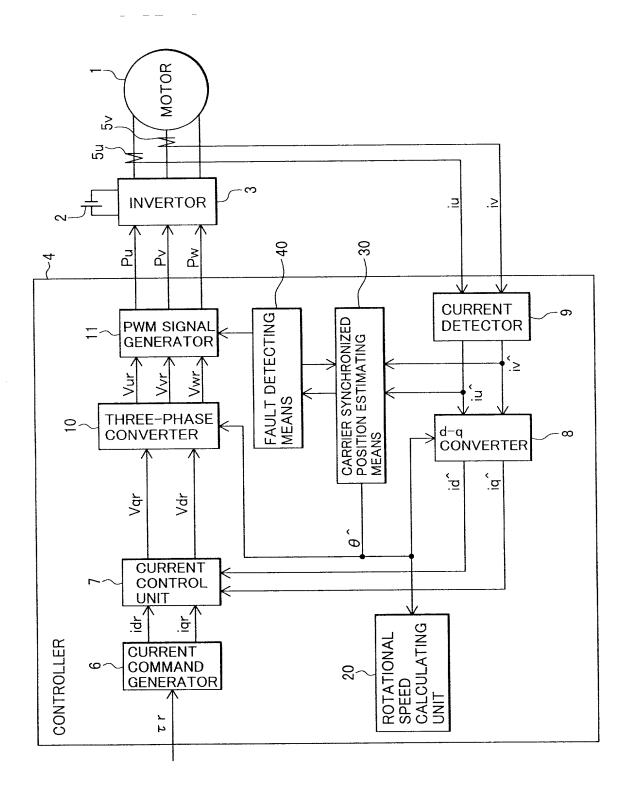


FIG. 1

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FIG.2

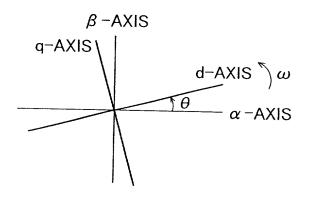


FIG.3

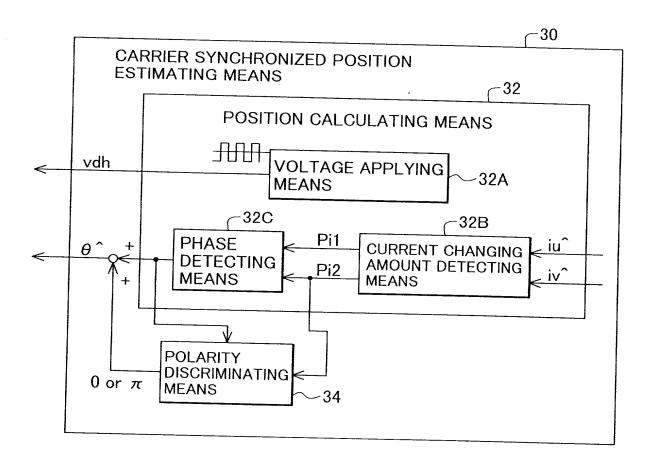
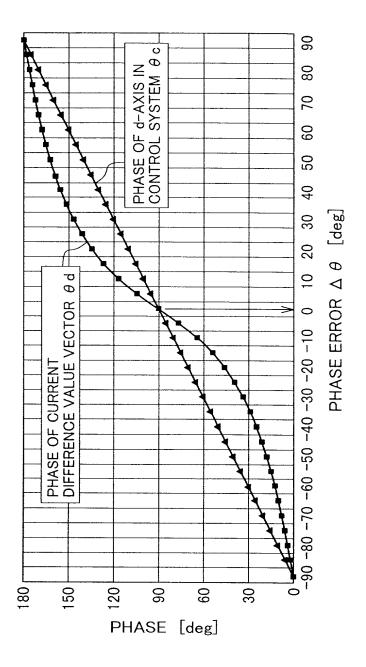
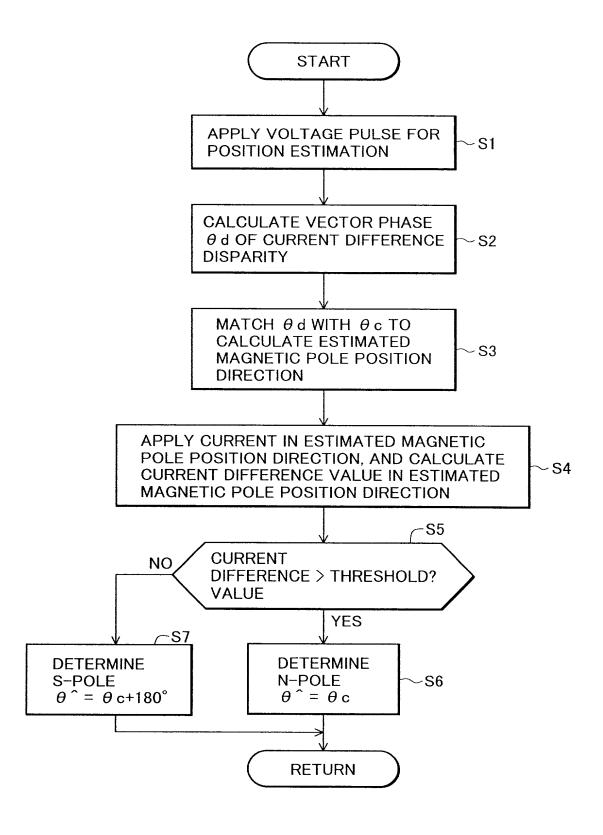


FIG. 4

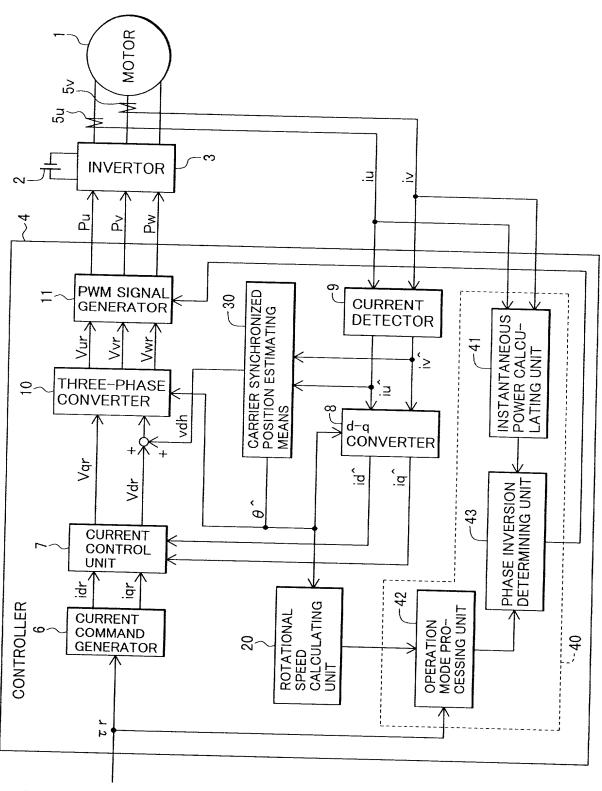


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FIG.5



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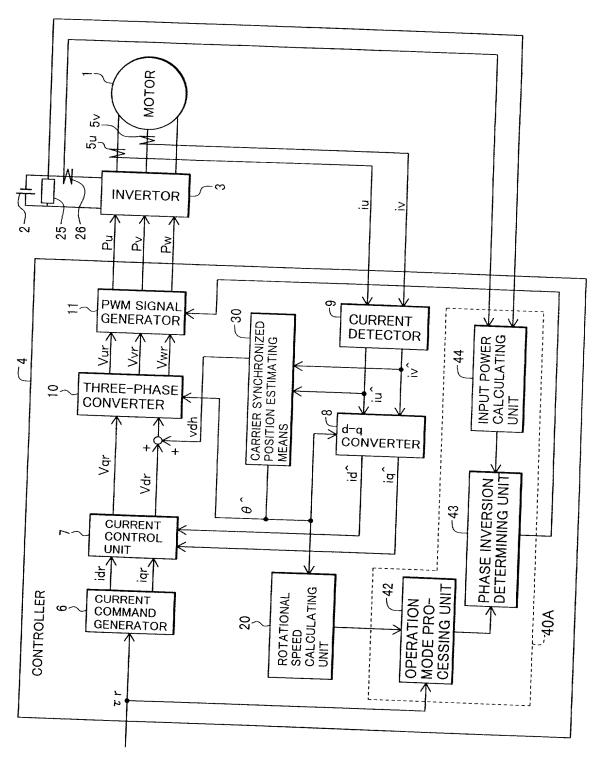


F/G.6

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→ TORQUE POWER > 0 POWER < 0 FORWARD POWER RUNNUNG FORWARD REGENER-ATION ROTATIONAL SPEED REVERSE REGENER-ATION FORWARD POWER RUNNING POWER < 0 POWER > 0

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F/G.8

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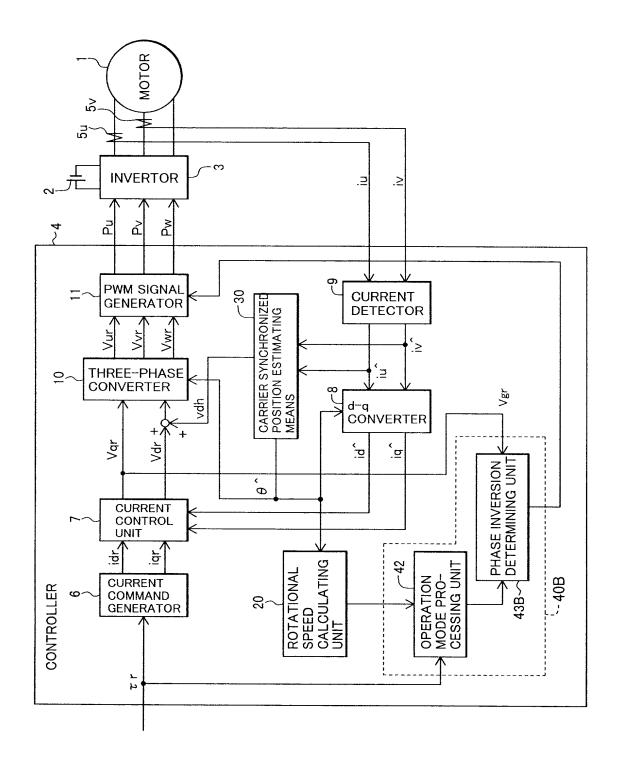
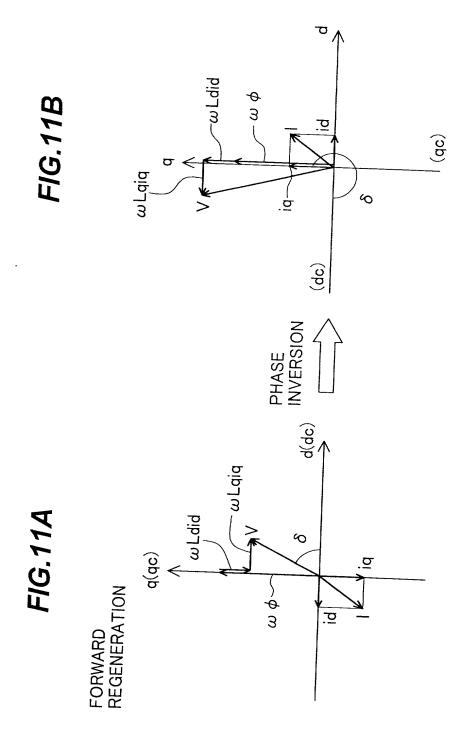


FIG.9

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σ FIG. 10B  $_{\mathsf{q}}^{}$   $\omega_{\mathsf{L}}^{\mathsf{L}}$ qiq <u>o</u>. (dc) .₫ જ 3 (dc) PHASE INVERSION d(dc) 8 FIG. 10A q(qc) ↑ FORWARD POWER RUNNING ₽.

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₽.  $\omega$ Lqiq (dc) PHASE INVERSION d(dc) ↑ FIG.12A d(dc) → 6 REVERSE REGENERATION 5 <del>0</del> <del>0</del> ₫.

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FIG. 13A

REVERSE
POWER RUNNING

q(qc)

id

o

d(dc)

NVERSION

w b

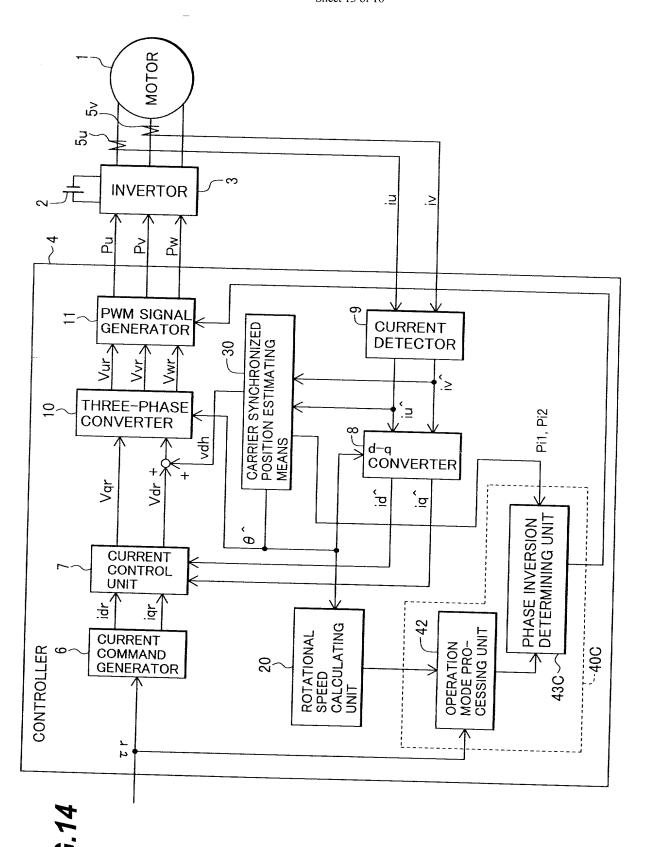
v

w b

v

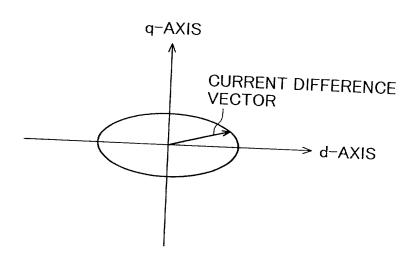
w b

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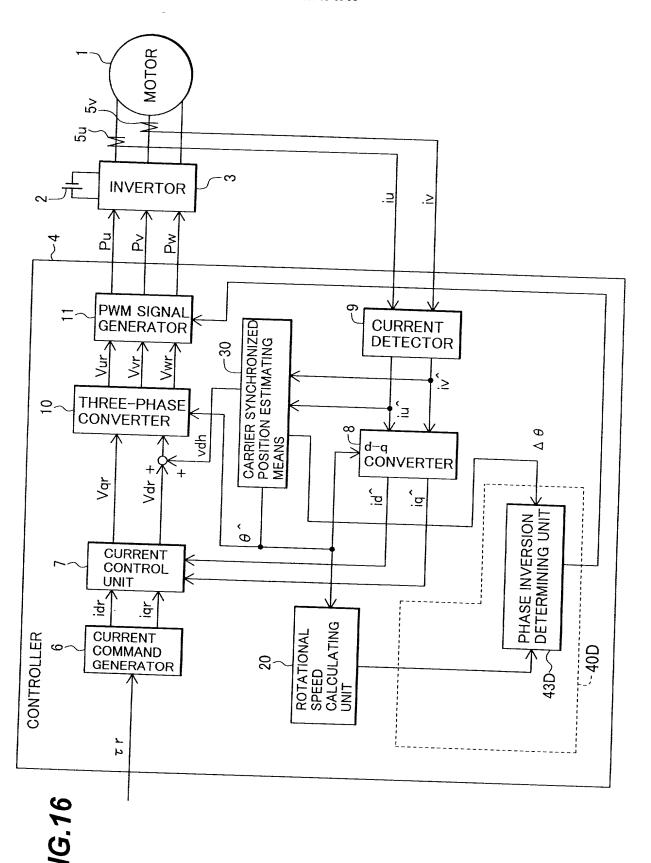


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FIG.15



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FIG.17

